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If you have sold or otherwise transferred all of your ordinary shares in the capital of Offshore Hydrocarbon Mapping plc (the “Company”), please forward this document, together with the accompanying Form of Proxy, at once to the purchaser or transferee or to the bank, stockbroker, or other agent through whom the sale or transfer was effected, for transmission to the purchaser or transferee. The distribution of this document in jurisdictions other than the United Kingdom may be restricted by law and therefore persons into whose possession this document comes should inform themselves about and observe such restrictions. Any failure to comply with those restrictions may constitute a violation of the securities laws of any such jurisdiction.

Offshore Hydrocarbon Mapping plc

(incorporated and registered in England & Wales with registered number 4329960)

Proposed Placing

and

Acquisition of RDSP Acquisition, Inc

KBC Peel Hunt Ltd

Nominated Adviser and Broker

KBC Peel Hunt Ltd (“KBC Peel Hunt”), which is regulated in the United Kingdom by the Financial Services Authority, is acting as nominated adviser and broker to the Company for the purposes of the placing as further described in this document. KBC Peel Hunt is not acting for any person other than the Company and will not be responsible to anyone other than the Company for providing the protections afforded to customers of KBC Peel Hunt or for providing advice in relation to the contents of this document or the placing or any transaction or arrangement referred to in this document. KBC Peel Hunt’s responsibilities as nominated adviser are owed solely to the London Stock Exchange. No representation or warranty, express or implied, is made by KBC Peel Hunt as to any of the contents of this document for which the Directors are solely responsible.

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OFFSHORE HYDROCARBON MAPPING PLC

(registered in England & Wales under the Companies Act 1985 with registered number 4329960)

Directors

Dr Pierre Jungels, CBE, *Non Executive Chairman*
Dave Pratt, BSc (Hons.), MBA, *Chief Executive*
Robert Auckland, *Chief Financial Officer*
Dr Lucy MacGregor, *Chief Scientific Officer*
Jeffrey Garner, *Non Executive Director*
Keith Lough, *Non Executive Director*
Gary Jones, *Non Executive Director*

Registered Office
30 Aylesbury Street
London
EC1R 0ER

9 August 2007

To Shareholders and, for information only, to holders of options over Ordinary Shares

Dear Shareholder,

ACQUISITION OF RDSP ACQUISITION, INC, PLACING OF NEW ORDINARY SHARES AND ADJOURNMENT OF EGM UNTIL 10.00 A.M. ON 17 AUGUST 2007

Further to the announcement by the Company of its strategic alliance with Compagnie Générale de Géophysique-Veritas S.A. and the associated fundraising on 18 July 2007, the Company announced on 9 August 2007 the conditional acquisition of RDSP Acquisition, Inc. and a further associated fundraising.

Accordingly, set out below is the text of the announcement released by the Company on 9 August 2007. You should read the full text set out herein and take the appropriate actions as necessary.

Offshore Hydrocarbon Mapping plc ("OHM" or the "Company")

Acquisition of RDSP Acquisition, Inc, placing of 2.8 million new Ordinary Shares and adjournment of EGM until 10.00 a.m. on 17 August 2007

The Board of OHM is pleased to announce the conditional acquisition of RDSP Acquisition, Inc, the holding company of Rock Solid Images, for a total consideration of approximately £10.4 million. Headquartered in Houston, Texas, the RSI Group is an industry leader in the integration of fundamental rock physics with well and seismic data. Together OHM and the RSI Group intend to develop methods of adding CSEM data to this rock physics framework in order to provide clients with the best possible geologic insight and reservoir understanding. The Company has also conditionally raised approximately £7.6 million (before expenses) in a placing of new Ordinary Shares to fund the cash element of the consideration for the Acquisition and to provide working capital related to the Acquisition.

Highlights

- Conditional acquisition of RDSP Acquisition, Inc, the holding company of Rock Solid Images, for approximately £10.4 million to be met through a mix of cash and new Ordinary Shares
- RSI is an industry leader in the application of rock physics for integrating and calibrating seismic and well data to reservoir properties at all stages of the oilfield lifecycle
- KBC Peel Hunt has conditionally placed 2,765,573 new Ordinary Shares to raise approximately £7.6 million before expenses at a price of 275 pence per share which represents a discount of approximately 1.0 per cent. to the five day average closing price of approximately 277.8 pence

Securities Act or any other foreign legislation and does not intend to offer any securities to the public in the United States or any other jurisdiction where it would be unlawful so to do without complying with registration or other requirements. No money, securities or other consideration from any person inside the United States is being solicited and, if sent will not be accepted except pursuant to an exemption from, or as part of a transaction not subject to, the registration requirements of the US Securities Act and the securities laws of any applicable state absent registration. The Placing Shares have not been and will not be registered with any regulatory authority of any state within the United States.

Introduction

OHM announces that it has entered into a conditional agreement to acquire the whole of the issued and to be issued share capital of RDSP Acquisition the holding company of the Rock Solid Group.

The total consideration payable by the Company at completion will be satisfied by payment of approximately £6.2 million in cash and the issue of approximately 1.9 million Consideration Shares. In addition, the Rock Solid Group has net external debt of approximately £1.4 million at the date of the Acquisition.

OHM has conditionally raised new capital through the Placing and the Subscription to finance the cash element of the consideration, invest in the opportunity created by the ownership of the Rock Solid Group and reduce the net external debt of RDSP Acquisition.

Information on Rock Solid Group

RDSP Acquisition is a Delaware incorporated holding company which owns Rock Solid Images, Rock Solid Images AS (a Norwegian corporation) and Rock Solid Images Sdn Bhd (a Malaysian corporation). RSI is the key asset and main trading company in the Rock Solid Group.

RSI was founded in November 1998, through the merger of The Discovery Bay Company, Seismic Research Corporation and PetroSoft Inc. Since it was established, RSI has completed in excess of 1,000 service projects for a broad range of customers including national oil-companies, majors, super-majors and larger independents.

RSI is an industry leader in the integration of fundamental rock physics with well data and surface seismic in order to interpret geophysical signatures in terms of reservoir properties such as lithology, porosity and saturation, providing geologic insight and reservoir understanding at all stages of the oilfield lifecycle. RSI supplies data, technology and expertise to maximise oil and gas companies' existing investment in well and seismic data by transforming qualitative interpretations into quantitative results.

In the year ended 31 December 2006, RDSP Acquisition generated turnover of approximately \$5.9 million resulting in a net loss of approximately \$1.1 million. At 31 December 2006, RDSP Acquisition had net assets of approximately \$3.1 million.

Rock Solid Group's headquarters are in Houston, Texas where it employs a staff of 35, a large proportion of whom are experienced petrophysicists and geophysicists. The Rock Solid Group has regional sales and service offices in Oslo, Norway and Kuala Lumpur, Malaysia.

Summary of Rock Solid Group's key software

Rock Solid Group has an extensive suite of proprietary software which it uses in its service division and which, in certain circumstances, it also licenses to its clients. The three main proprietary software suites are:

iMOSS®

A powerful, interactive rock-physics driven seismic modelling and interpretation application designed from the ground-up to meet the in-house consulting, research and data-library needs at RSI.

ATTRIB3D®

A seismic attribute calculation application that computes post-stack seismic attributes. Originally developed under the sponsorship of the Seismic Attributes Consortium, ATTRIB3D® is available from RSI as a stand-

alone Unix application. The package is also available as “Rock Solid Attributes” within the Kingdom Suite from Seismic Micro Technology or as the ATTRIB3D® plug-in within Landmark Graphics’ GeoProbe application.

LITHANN®

A seismic facies modelling application that is designed to complement ATTRIB3D®. It uses advanced neural network algorithms to define regions of common attribute response or seismic facies.

ATTRIB3D®, iMOSS® and LITHANN® are registered trademarks and the software embodies certain algorithms and workflows which are protected by a number of US patents held by RSI.

Rock Solid Group’s current trading

Trading to date in 2007 has shown revenues significantly higher than in 2006. RSI has commenced work on an anchor contract for its Asia-Pacific start-up operation based in Kuala Lumpur. The contract was executed in April 2007 and requires RSI to build an in-house well-based geophysical database of up to 100-wells via supply of technology (hardware and proprietary software) and in-house personnel. The contract is valued at over \$750,000 and is expected to be fully recognized by the end of the 2007 calendar year. This sale is the first of its type for Rock Solid Group and the Directors hope that this will be a model for providing similar dedicated services to other national oil companies.

RSI has successfully secured a number of seismic inversion projects, including a \$400,000 project for an Asia-Pacific national oil company which was completed in Q2 of 2007. The Directors believe much of Rock Solid Group’s growth over the coming years will be fuelled by establishing Rock Solid Group as a market leader in a market that is currently highly fragmented.

In February 2007, RSI launched phase two of its Lithology and Fluid Prediction (LFP) Consortium. To date, 18 oil and gas companies are participating and providing funding to allow RSI to develop valuable new capabilities in this area. The project is designed to run for three years and is a major element in RSI’s strategy to develop a next generation model-based seismic inversion platform. There has been significant interest in this consortium being extended to include the integration of seismic and CSEM data through a linked inversion methodology.

Rock Solid Images’ contribution to OHM’s strategy

As previously stated, one of the Group’s strategies is to promote the adoption of Controlled Source Electro-Magnetic imaging (CSEM) as an exploration and appraisal tool by oil and gas companies. CSEM is an innovative offshore geophysical technique, employing electromagnetic remote-sensing technology to detect the presence and extent of hydrocarbon accumulations below the seabed.

Recent proprietary work by the Group’s researchers has shown that there is potentially highly valuable information to be gained from the intelligent combination of CSEM and seismic data. The Group’s researchers believe that the data sets make complimentary measurements which, when properly combined, can lead to quantitative measurement of important rock and fluid properties such as permeability and hydrocarbon saturation. RSI possesses the necessary skills and capabilities to advance this data combination. Initial feasibility work carried out on a North Sea dataset in partnership with RSI has yielded exciting results and has already resulted in the filing of a patent application.

The combination of seismic and CSEM data, calibrated where possible by well log information, will be of significant value to oil companies in managing their reservoirs and in enhancing recovery from its clients’ subsurface reserves. OHM’s research to date has shown that the integration of these data types can provide insight into the properties of the rocks and fluids in subsurface formations which can help oil companies to better plan and manage the extraction of hydrocarbons from reservoirs. At present, on average only about 40 per cent. of reserves are recovered from oil and gas fields leaving around 60 per cent. of discovered hydrocarbons in the ground. However, in some cases, and especially with good reservoir management, recovery can be as high as 70 per cent. or more. Value created for clients in this enhanced recovery is extremely high as the producing infrastructure and exploration expense has already been accounted for.

The Group intends to acquire RDSP Acquisition to accelerate research and development in this area and to secure total ownership of developed intellectual property rights. In addition, Rock Solid Group's existing business will provide additional growth and diversification to the Group and will provide additional sales outlets and cross selling opportunities for the Group's exploration and appraisal services.

Terms of the Acquisition

Under the terms of the Acquisition Agreement, the Company will acquire Rock Solid Group as a going concern by acquiring RDSP Acquisition, Inc, its Delaware incorporated holding company. The consideration will be made by payment of approximately £6.2 million in cash together with the issuance to RDSP Acquisition's individual shareholders of approximately 1.9 million Consideration Shares. The Consideration Shares will be restricted for a period of one year from Admission and a further year thereafter, the shares can only be sold through the Company's broker, in order to preserve an orderly market in the shares.

Details of the Placing and the Subscription

Under the terms of the Placing Agreement, KBC Peel Hunt, as agent for the Company, has agreed conditionally to use reasonable endeavours to place 2,765,573 new Ordinary Shares with investors procured by it at the Placing Price of 275 pence per share.

The Placing Price represents a discount of approximately 6.9 per cent. below the closing middle market price of 295.5 pence per Ordinary Share on 7 August 2007, being the day before announcement of the Placing, and a discount of approximately 1.0 per cent. to the five day average closing price of 277.8 pence, which the Directors consider to be fair and reasonable given the size of the Placing.

CGGVeritas, under the terms of the Joint Operating Agreements, has also exercised its right to conditionally subscribe for 827,986 further new Ordinary Shares at a price of 240 pence per share, which will take their interest in Ordinary Shares to approximately 15.0 per cent. of the Enlarged Issued Ordinary Share Capital.

The Board considered whether it would be appropriate to provide existing Shareholders with the opportunity to participate in the fundraising through an offer of new Ordinary Shares on a pre-emptive basis. The Board concluded, having taken appropriate advice, that it was not in the Company's interest at the present time to make such a pre-emptive offer available due to the commercial necessity for the Company to rapidly and successfully complete the Acquisition Agreement and the time and management input which would be required in the production of a prospectus at this key stage of the Company's development.

Use of proceeds

The Placing and the Subscription is intended to raise approximately £9.6 million excluding expenses (approximately £9.1 million net of expenses). Of these net proceeds, approximately £6.2 million will be used to fund the cash element of the consideration due under the Acquisition Agreement, approximately £1.0 million will be spent on the development of software and workflows for the joint inversion of CSEM and seismic data, and up to approximately £1.4 million will be applied to reduce the net external debt of RDSP Acquisition, Inc.

Settlement and dealings

Application will be made to the London Stock Exchange for the Placing Shares, the Subscription Shares and the Consideration Shares to be admitted to trading on AIM. It is expected that, subject to the passing of the Resolutions at the EGM, Admission will become effective on 20 August 2007.

The new Ordinary Shares will, when issued, rank *pari passu* in all respects with the Existing Ordinary Shares including the right to receive dividends and other distributions declared following Admission with the exception of certain orderly market arrangements agreed to by CGGVeritas through the JOA and shareholders in RDSP Acquisition through the Acquisition Agreement.

Conditions to the Placing

The Placing is conditional, *inter alia*, upon:

- all Resolutions being duly passed at the EGM without amendment in any material respect; and
- the Placing Agreement not being terminated in accordance with its terms prior to Admission occurring.

Extraordinary General Meeting

The notice of the Extraordinary General Meeting of the Company dated 18 July 2007 was sent to Shareholders on 18 July 2007 and proposed that certain resolutions be put to Shareholders at the EGM proposed for 10 August 2007 to increase the Company's authorised share capital and to enable the Directors to allot new Ordinary Shares on a non pre-emptive basis.

In order to give Shareholders sufficient time to consider the matters set out in this announcement, it is the Board's intention that the Chairman will adjourn the EGM for one week until 10.00 a.m. on 17 August 2007 to be held at the offices of KBC Peel Hunt at 111 Old Broad Street, London EC2N 1PH.

A Blue Form of Proxy is being sent to Shareholders to enable them to vote at the adjourned EGM. Shareholders should take the following actions:

- if a Shareholder has already sent in their duly completed White Form of Proxy and does not wish to change their voting decisions, they should do nothing;
- if a Shareholder has not as yet submitted their duly completed White Form of Proxy and wishes to vote at the EGM, they should complete and submit the Blue Form of Proxy; or
- if a Shareholder has already submitted their duly completed White Form of Proxy but wishes to change their voting decisions, they should complete and submit the Blue Form of Proxy.

It is important that you complete and sign the Blue Form of Proxy in accordance with the instructions printed thereon and return it to the Company's registrars at Capita Registrars (Proxies), PO Box 25, Beckenham, Kent BR3 4BR, as soon as possible and in any event so as to arrive no later than 10.00 a.m. on 15 August 2007. Completion and return of the Blue Form of Proxy will not preclude you from attending and voting at the adjourned EGM should you wish to do so.

A circular setting out the contents of this announcement and the Blue Form of Proxy is being posted today to Shareholders and will be available at the Company's website at www.ohmsurveys.com shortly thereafter.

Definitions

The following definitions apply throughout this announcement, unless the context otherwise requires:

“Acquisition”	the acquisition of the entire issued and to be issued share capital of RDSP Acquisition
“Acquisition Agreement”	the agreement dated 8 August 2007 under which OHM has agreed to acquire the entire issued share capital of RDSP Acquisition
“Admission”	the admission to trading on AIM in accordance with rule 6 of the AIM Rules of the Placing Shares becoming effective
“AIM”	AIM, a market operated by the London Stock Exchange
“AIM Rules”	the London Stock Exchange's rules for companies relating to AIM entitled “AIM Rules for Companies”
“Blue Form of Proxy”	the blue form of proxy accompanying the circular from the Company dated 9 August 2007
“Board”	the Company's board of directors

“CGGVeritas”	Compagnie Générale de Géophysique-Veritas S.A., a société anonyme registered in France and having its registered address at Tour Maine Montparnasse, 33 Avenue du Maine, B.P. 19175755 Paris, Cedex 15, France
“Company” or “OHM”	Offshore Hydrocarbon Mapping plc, a company registered in England with registered number 4329960 and having its registered office at 30 Aylesbury Street, London, EC1R 0ER
“Consideration Shares”	the 1,926,352 new Ordinary Shares to be issued pursuant to the Acquisition
“CREST”	the system for paperless settlement of trades and holdings of uncertificated shares administered and operated by Euroclear UK & Ireland Limited (formerly called CRESTCo Limited)
“CSEM”	controlled source electro-magnetic imaging, an offshore geophysical technique, employing electromagnetic remote-sensing technology to detect the presence and extent of hydrocarbon accumulations below the seabed
“Directors”	the current directors of the Company
“EGM” or “Extraordinary General Meeting”	the extraordinary general meeting of the Company convened for 10.00 a.m. on 10 August 2007 which is adjourned until 10.00 a.m. on 17 August 2007
“Enlarged Issued Ordinary Share Capital”	the Company’s issued ordinary share capital immediately after the completion of the Placing, Subscription and Acquisition
“Existing Ordinary Shares”	31,549,652 Ordinary Shares in issue on the date of this announcement
“FSMA”	Financial Services and Markets Act 2000 (as amended)
“Group”	the Company and its subsidiaries
“KBC Peel Hunt”	KBC Peel Hunt Ltd
“London Stock Exchange”	London Stock Exchange plc
“Joint Operating Agreements” or “JOA”	the agreements dated 17 July 2007 between the Company and CGGVeritas, pursuant to which (a) CGGVeritas has undertaken to subscribe for the Subscription Shares at 240 pence per share; (b) the parties agreed to perform certain commercial actions for the benefit of both the Company and CGGVeritas; and (c) CGGVeritas accepts certain restrictions on its current and future interest in Ordinary Shares
“Ordinary Shares”	ordinary shares of one pence each in the share capital of the Company
“Placing”	the proposed conditional placing of Placing Shares at the Placing Price pursuant to the Placing Agreement
“Placing Agreement”	the conditional placing agreement dated 8 August 2007 relating to the Placing between the Company and KBC Peel Hunt
“Placing Price”	275 pence per Placing Share

“Placing Shares”	the 2,765,573 new Ordinary Shares to be issued pursuant to the Placing
“RDSP Acquisition”	RDSP Acquisition, Inc a corporation registered in Delaware, United States
“Registrars”	Capita Registrars, Northern House, Woodsome Park, Fenay Bridge, Huddersfield, HD8 OLA
“Resolutions”	the resolutions set out in the notice of EGM dated 18 July 2007
“Rock Solid Images” or “RSI”	RDSP I, L.P., a limited partnership registered in Texas, United States
“Rock Solid Group”	RDSP Acquisition and its subsidiaries, being Rock Solid Images, Rock Solid Images AS (a Norwegian Corporation) and Rock Solid Images Sdn Bhd (a Malaysian corporation)
“Shareholders”	holders of Ordinary Shares
“Subscription”	the subscription by CGGVeritas for 827,986 new Ordinary Shares at 240 pence per share pursuant to the JOA
“Subscription Shares”	the 827,986 new Ordinary Shares to be issued pursuant to the Subscription
“UK” or “United Kingdom”	the United Kingdom of Great Britain and Northern Ireland
“United States”	the United States of America, its territories and possessions, any State of the United States and the District of Columbia
“US Securities Act”	the US Securities Act of 1933 (as amended)
“White Form of Proxy”	the white form of proxy accompanying the circular from the Company dated 18 July 2007

If you are in any doubt as to the action you should take, you are recommended to seek your own financial advice immediately.

Yours sincerely

Dr. Pierre Jungels, CBE
Chairman

